

Applicants: Michael Konkel, et al.
U.S. Serial No. 09/764,710
Filing Date: January 17, 2001
Group Art Unit: 1626 @ (703) - 305-0811
Title of the Invention: COMPOUNDS SPECIFIC FOR

THE HUMAN α_{1d} ADRENERGIC RECEPTORS AND USES THEREOF Sheet 1 of 8

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FIGURE 1A

$$H-N$$
 N
 F

Compound 1

Compound 2

Compound 3

Compound 6

$$\begin{array}{c|c} & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ &$$

Compound 7

Compound 8

Compound 9

Compound 10



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FIGURE 1B

$$\begin{array}{c|c}
 & F \\
 & N \\
 & F
\end{array}$$

Compound 12

Compound 13

Compound 14

Compound 15

Compound 16

Compound 17

Compound 18



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FIGURE 1C

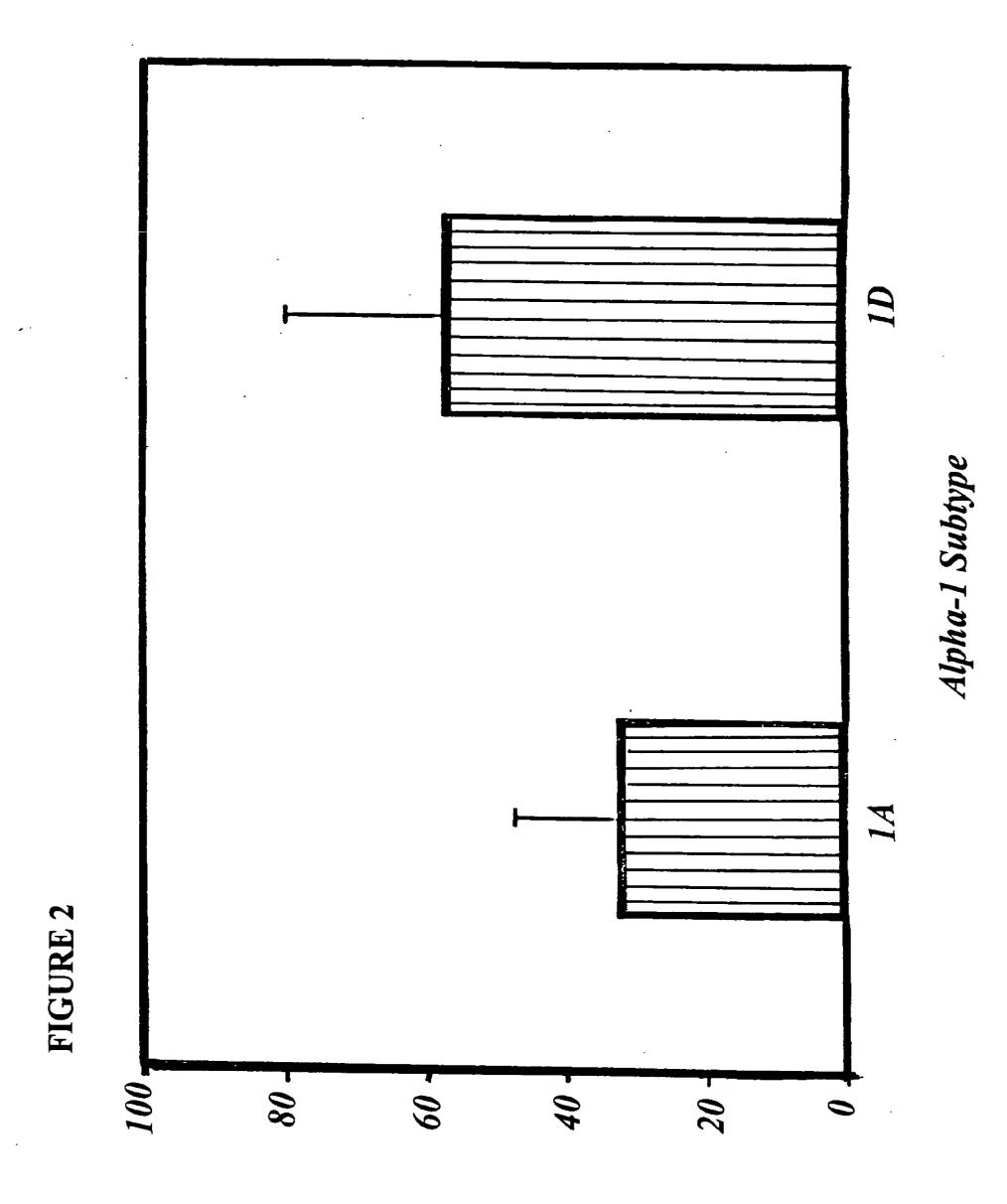
Compound 20

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Percent Contribution to Electrically Evoked

Contraction

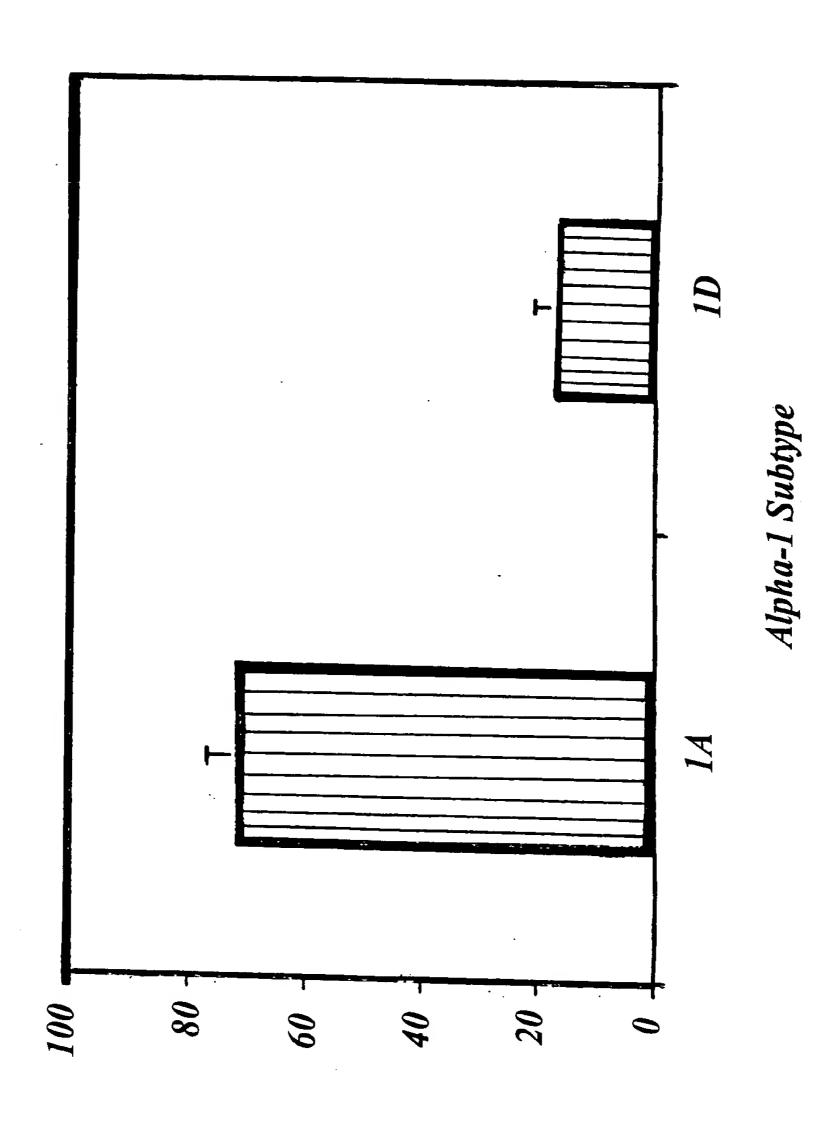
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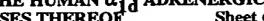
FIGURE 3

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Contraction Percent Contribution to NE-Evoked

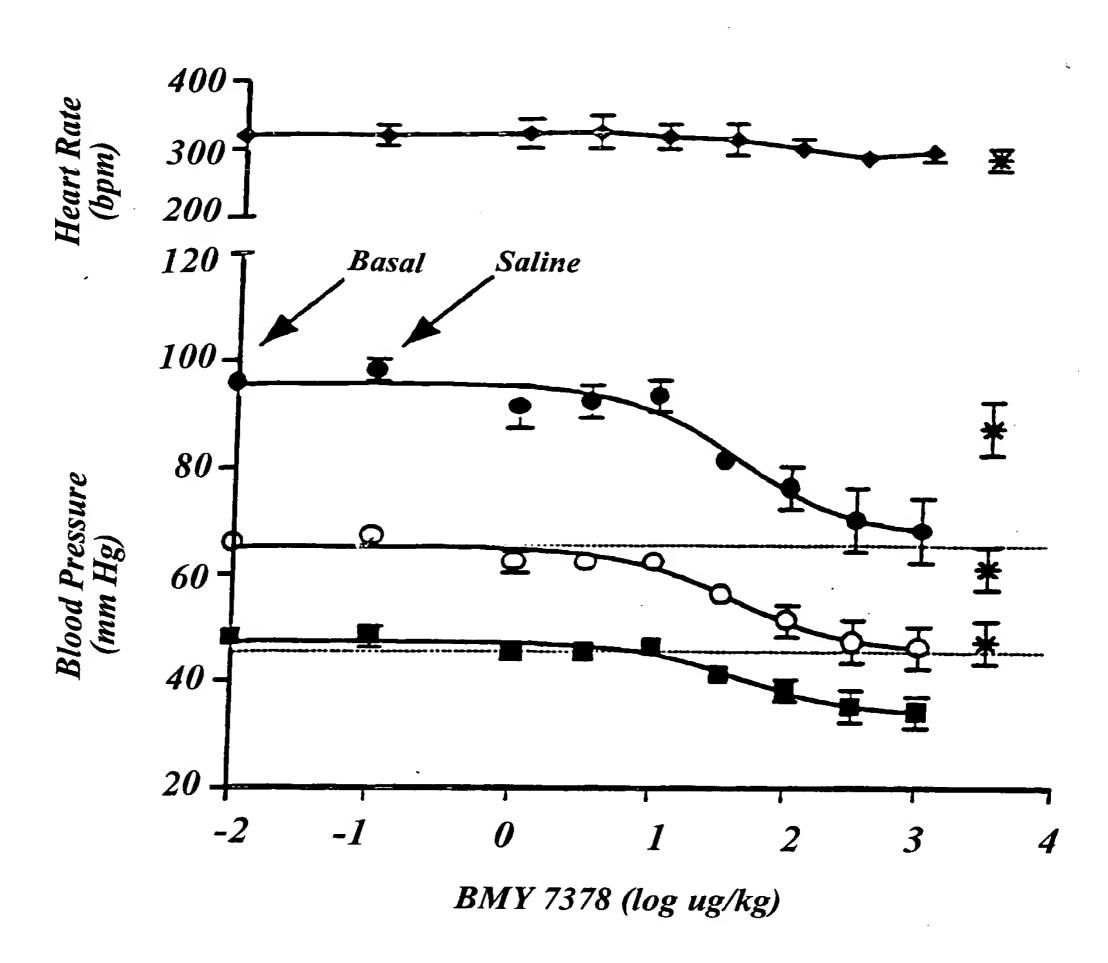
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FIGURE 4



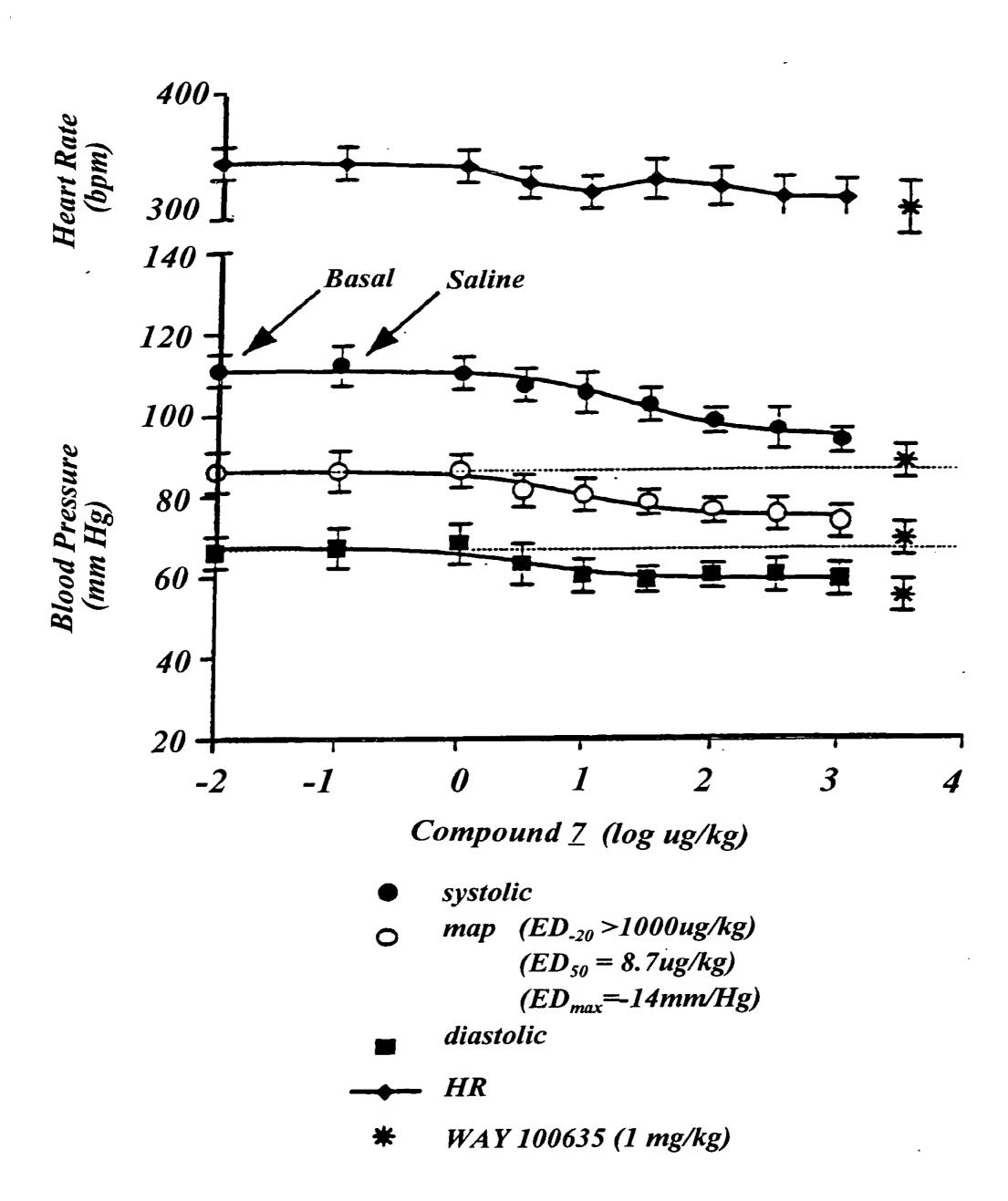
- systolic
- $map\ (ED_{-20} > 1000ug/kg)$ $(ED_{50} = 39 \text{ ug/kg})$ $(ED_{max}=-20mm/Hg)$
- diastolic
- HR
 - WAY 100635 (1 mg/kg)



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FIGURE 5



THE HUMAN α_{1d} ADRENERGIC RECEPTORS AND USES THEREOF Sheet 8 of 8

